FIG. 1

82

32

```
<Mapping>
<Ver>1. 0</Ver>
                        42
<DataSource>Exchange</DataSource>
<Target type="Address Book"  configurable="yes" >
   <FirstName    map="FName"     display="First Name" />
   <MiddleName   map="MName"     display="Middle Initial" />
   <LastName     map="LName"     display="Last Name" />
   <JobTitle     map=""          display="Job Title" />
   <Company      map="Company"   display="Company Name" />
   <EMail1       map="EMail1"    display="EMail Address" />
   <Home         map=""          display="Home Phone" />
   <Work         map="Work"      display="Phone" />
   <Body         map="Notes"     display="Body" />
   <Birthday     map=""          display="Birthday" />
   <CarPhone     map=""          display="Car Phone" />
   <Department   map=""          display="Department" />
</Target>
</Mapping>
```

FIG. 2

_84_

```
<RimSync>
<Ver>1. 0</Ver>
<Sync>
  <User>John Smith Distinguished Name</User>
  <Target type="Address Book" >      <!-Device database -->
      <Update>
        <CmdID>1</CmdID>
        <GUID>823482348234834</GUID>
        <FirstName>John</FirstName>
        <MiddleName>Willey</MiddleName>
        <LastName>Smith</LastName>
        <JobTitle>MarketingMgr. </JobTitle>
        <Company>XYZ Ltd. </Company>
        <Email1>jw@xyz.net</Email1>
        <Home>888-9654</Home>
        <Work>888-7465</Work>
        <Body>Responsible for Inside Sales</Body>
        <Department>Sales & Marketing</Department>
      </Update>
  </Target>
</Sync>
</RimSync>
```

FIG. 3

86

```
<Record>
  <FName>John</FName>
  <MName>Willey</MName>
  <LName>Smith</LName>
  <Company>XYZ Ltd. </Company>
  <EMail1>jw@xyz.net</EMail1>
  <Work>888-7465</Work>
  <Notes>Responsible for Inside Sales</Notes>
</Record>
```

FIG. 4

_90_

```
<Mapping>
  <Ver>1. 0</Ver>
  <DataSource>Handheld</DataSource>
  <Target type="Address Book" ver"1.0">
      <Salutation    map="55"  key="No"   display="Salutation" />
      <FName          map="32"  key="Yes"  display="First Name" />
      <MName          map="129" key="Yes"  display="Middle Name" />
      <LName          map="128" key="Yes"  display="Last Name" />
      <Title          map="42"  key="No"   display="Job Title" />
      <Company        map="33"  key="Yes"  display="Company"/>
      <Email1         map="1"   key="No"   display="Email 1" />
      <Address1       map="35"  key="No"   display="Address1" />
      <City           map="38"  key="No"   display="City"/>
      <State          map="39"  key="No"   display="State/Prov"/>
      <Country        map="41"  key="No"   display="Country"/>
      <Zip            map="40"  key="No"   display="Zip Code" />
      <Fax            map="3"   key="No"   display="Fax"/>
      <Work           map="6"   key="No"   display="Work Phone" />
      <Home           map="7"   key="No"   display="Home Phone" />
      <Web            map="54"  key="No"   display="Web URL" />
      <Mobile         map="8"   key="No"   display="Cell Phone" />
      <Pager          map="9"   key="No"   display="Pager"/>
      <PIN            map="10"  key="No"   display="PIN"/>
      <Notes          map="64"  key="No"   display="Notes"/>
      <UserDefine1    map="65"  key="No"   display="User Def 1" />
      <UserDefine2    map="66"  key="No"   display="User Def 2" />
      <UserDefine3    map="67"  key="No"   display="User Def 3" />
      <UserDefine4    map="68"  key="No"   display="User Def 4" />
  </Target>
</Mapping>
```
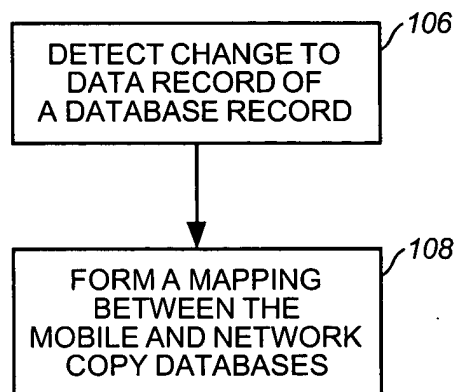
FIG. 5

94

```
[0x08][0x0A]                                <- Use Data Source object
   [0x10][0x08]    "Exchange"               <- Data source name
[0x09][0x0E]                                <- Use Database Object
   [0x20][0x0C]    "Address Book"           <- Database name.
[0x70][0x01] 1                              <- CmID
[0x03][0x16]                                <- Update command
   [0x01][0x04] 1234                        <- Record  UID
   [0x02][0x14]                             <- Record Fields
      [0x33][0x08]    "XYZ Ltd."            <- Company field changed
      [0x06][0x08]    "888-1234"            <- Phone number changed
```

FIG. 6

102

DETECT CHANGE TO
DATA RECORD OF
A DATABASE RECORD /106

FORM A MAPPING
BETWEEN THE
MOBILE AND NETWORK
COPY DATABASES /108

FIG. 7